

Fig. 1

COORDINATES[X, Y]	i-3	i-2	i-1	i	i+1	i+2	i+3
j-3	B	G	B	G	B	G	B
j-2	G	R	G	R	G	R	G
j-1	B	G	B	G	B	G	B
j	G	R	G	R	G	R	G
j+1	B	G	B	G	B	G	B
j+2	G	R	G	R	G	R	G
j+3	B	G	B	G	B	G	B

(1)

COORDINATES[X, Y]	i-3	i-2	i-1	i	i+1	i+2	i+3
j-3	R	G	R	G	R	G	R
j-2	G	B	G	B	G	B	G
j-1	R	G	R	G	R	G	R
j	G	B	G	B	G	B	G
j+1	R	G	R	G	R	G	R
j+2	G	B	G	B	G	B	G
j+3	R	G	R	G	R	G	R

(2)

Fig. 2

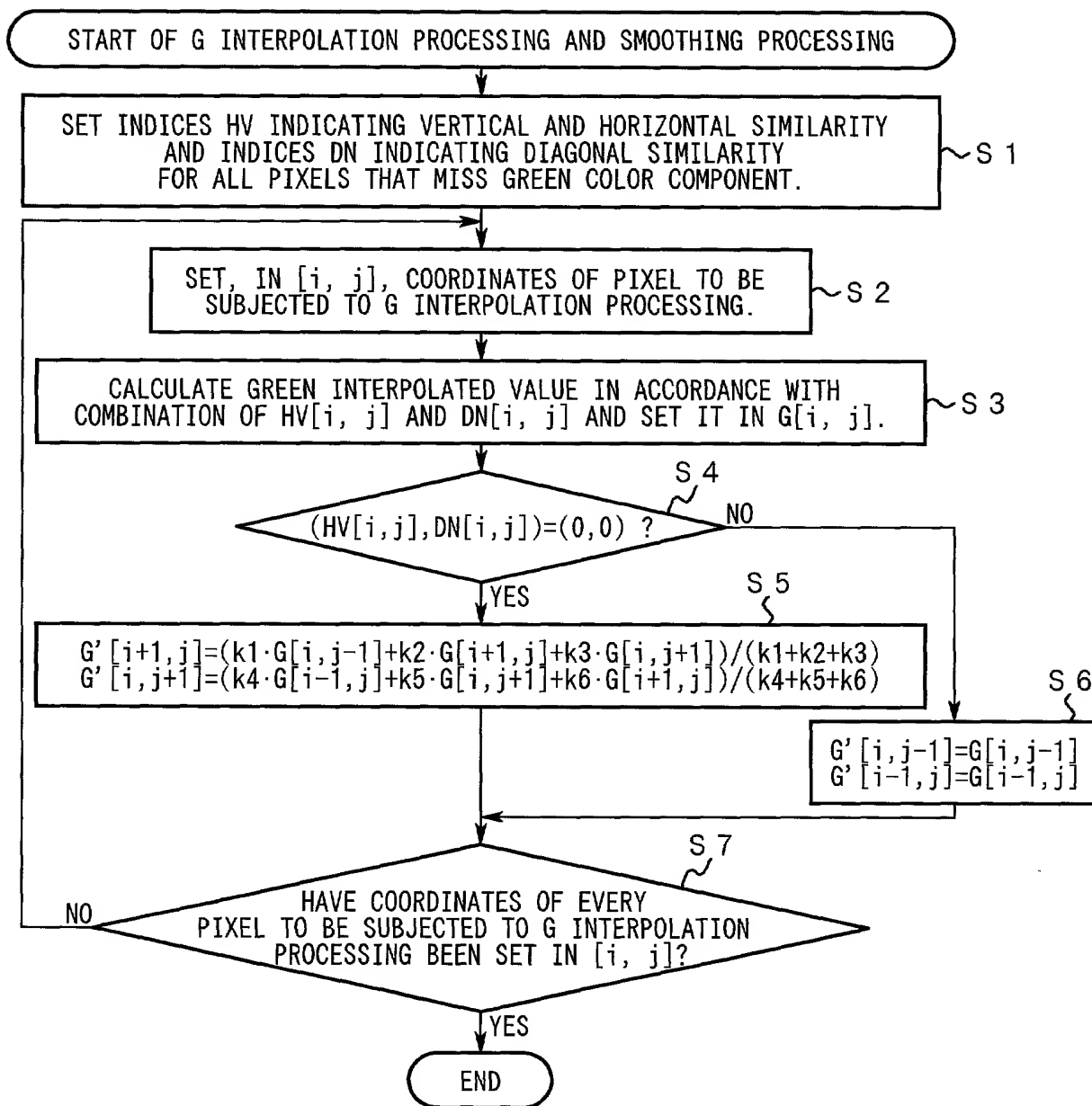


Fig. 3

1		1
	4	
1		1

$\times 1/8$

(1)

WEIGHTED ADDITION ON SIMILARITY
COMPONENTS ACCORDING TO METHOD-1

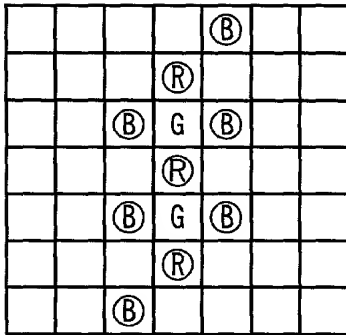
		1		
	2		2	
1		4		1
	2		2	
		1		

$\times 1/16$

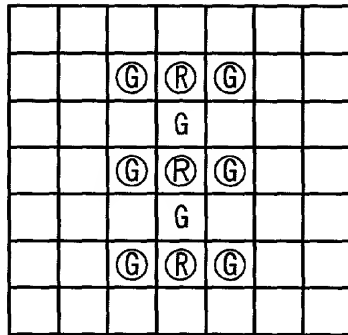
(2)

WEIGHTED ADDITION ON SIMILARITY
COMPONENTS ACCORDING TO METHOD-2

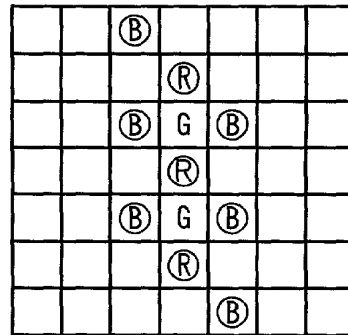
Fig. 4



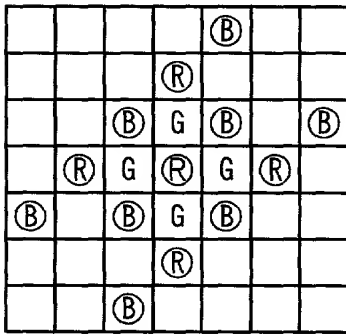
case1 : (HV, DN)=(1, 1)



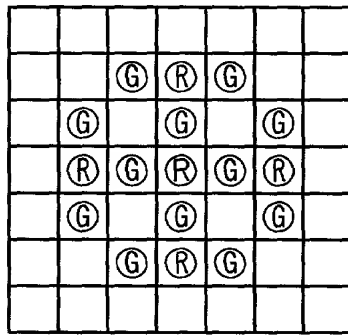
case2 : (HV, DN)=(1, 0)



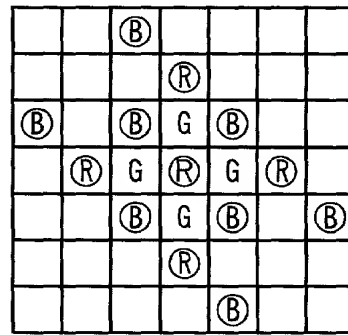
case3 : (HV, DN)=(1, -1)



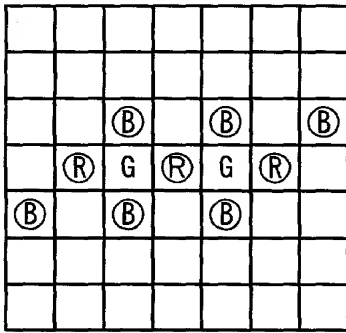
case4 : (HV, DN)=(0, 1)



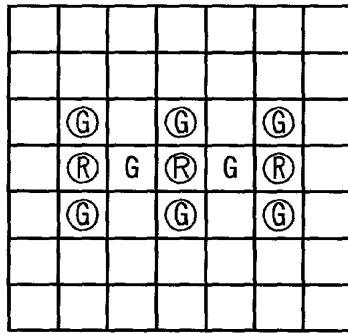
case5 : (HV, DN)=(0, 0)



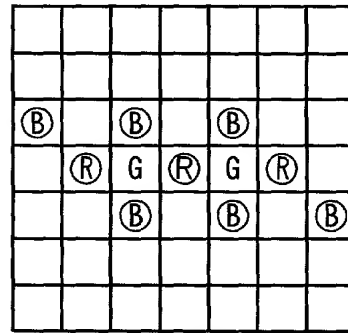
case6 : (HV, DN)=(0, -1)



case7 : (HV, DN)=(-1, 1)



case8 : (HV, DN)=(-1, 0)



case9 : (HV, DN)=(-1, -1)

Fig. 5

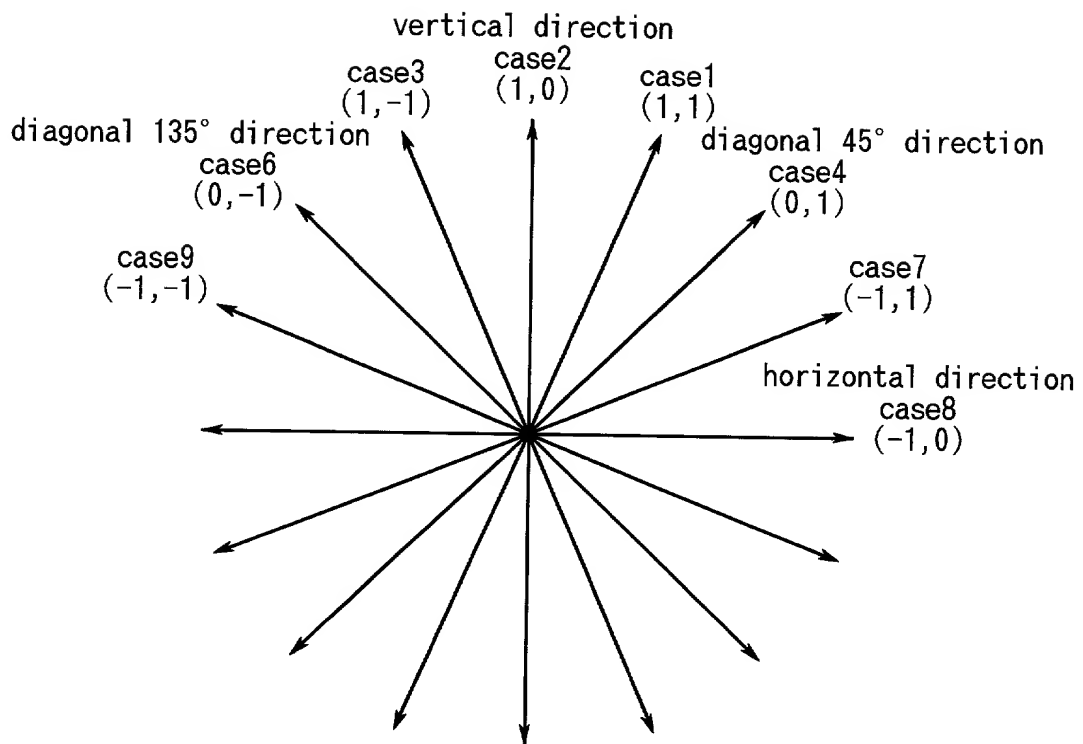


Fig. 6

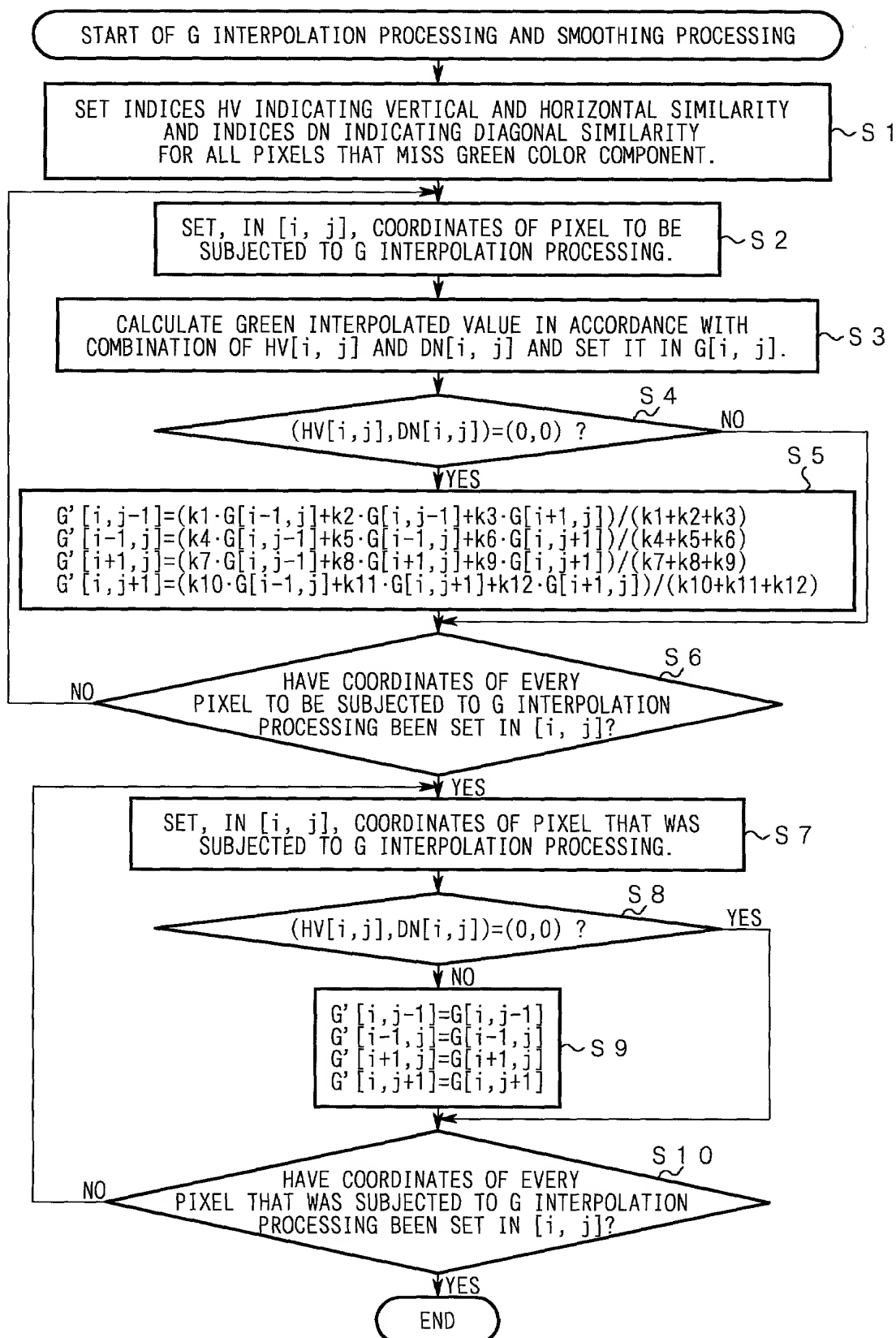


Fig. 7

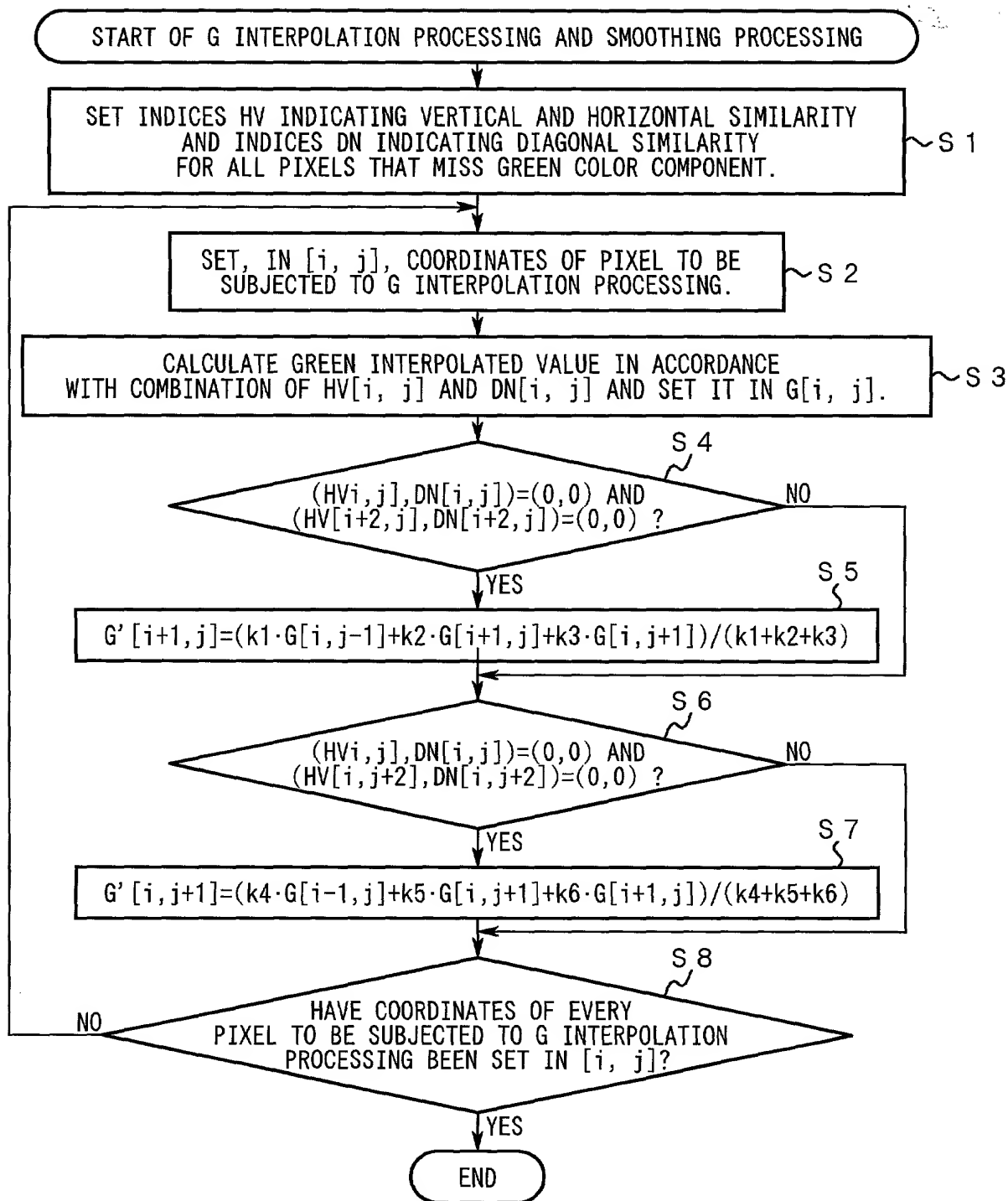


Fig. 8

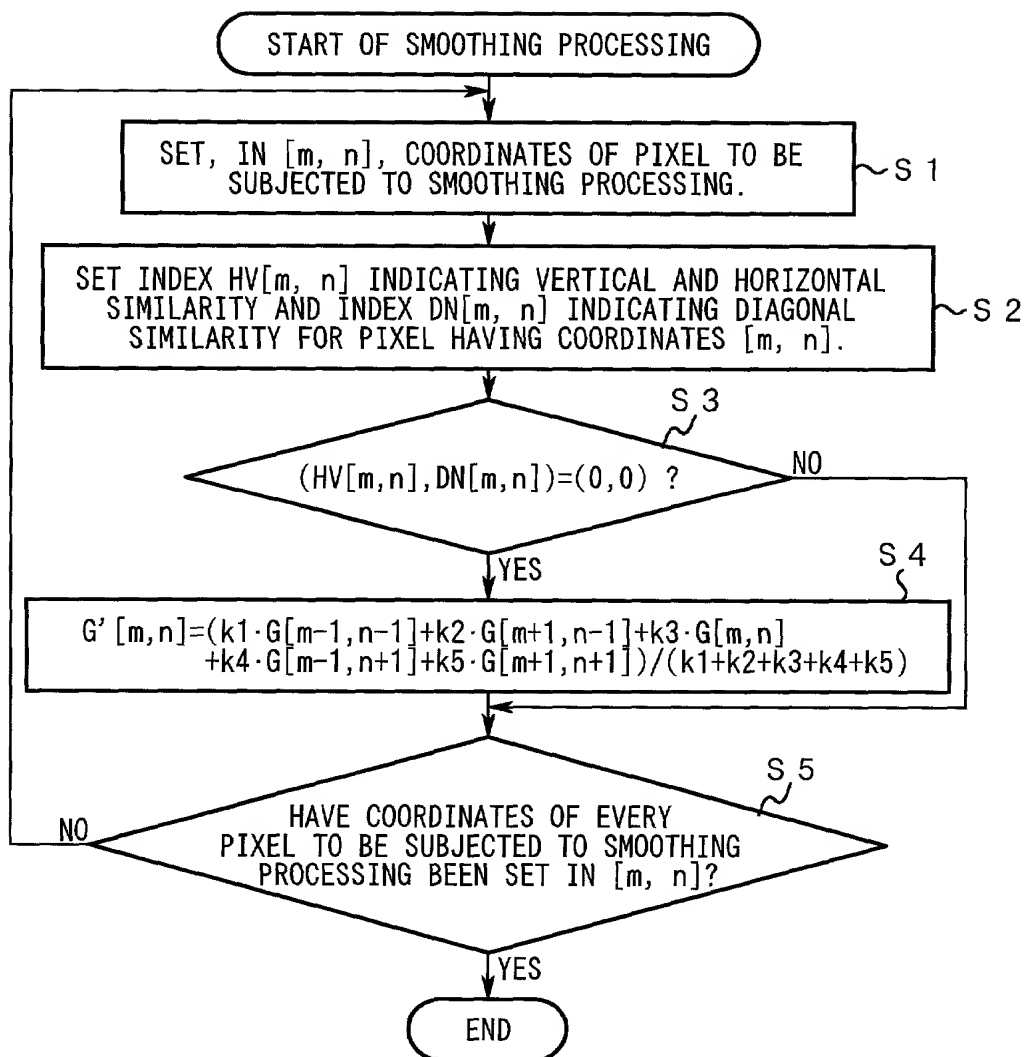


Fig. 9

CHART SHOWING EXAMPLE OF VALUES OF COLOR INFORMATION
OF IMAGE HAVING CHECKERBOARD PATTERN

COORDINATES[X,Y]	i-3	i-2	i-1	i	i+1	i+2	i+3
j-3	B=150	G=200	B=150	G=200	B=150	G=200	B=150
j-2	G=100	R=150	G=100	R=150	G=100	R=150	G=100
j-1	B=150	G=200	B=150	G=200	B=150	G=200	B=150
j	G=100	R=150	G=100	R=150	G=100	R=150	G=100
j+1	B=150	G=200	B=150	G=200	B=150	G=200	B=150
j+2	G=100	R=150	G=100	R=150	G=100	R=150	G=100
j+3	B=150	G=200	B=150	G=200	B=150	G=200	B=150

(1)

CHART SHOWING EXAMPLE OF GREEN COLOR COMPONENT VALUES
OBTAINED BY PERFORMING INTERPOLATION PROCESSING ON
IMAGE HAVING CHECKERBOARD PATTERN

COORDINATES[X,Y]	i-3	i-2	i-1	i	i+1	i+2	i+3
j-3	150	200	150	200	150	200	150
j-2	100	150	100	150	100	150	100
j-1	150	200	150	200	150	200	150
j	100	150	100	150	100	150	100
j+1	150	200	150	200	150	200	150
j+2	100	150	100	150	100	150	100
j+3	150	200	150	200	150	200	150

(2)

Fig. 10